

Council Members and Industry Partners,

To align with Governor Pritzker's climate change initiatives and statewide energy conservation goals, the State of Illinois will adopt the 2021 International Energy Conservation Code (IECC), without energy efficiency-reducing amendments. All amendments to the Illinois Code past, current, and proposed have been reviewed by the Pacific Northwest National Laboratory (PNNL). Based on their analysis, any amendments found to be less stringent than the 2021 IECC will be removed. This decision impacts building energy codes for residential and commercial buildings, and all State construction.

CDB will withdraw the current Energy Code rulemaking from the Joint Committee on Administrative Rules (JCAR) and will revise the rules to remove any amendments that are less stringent than the IECC. The rules will then be resubmitted for First Notice with JCAR.

The Capital Development Board recognizes the employees, council members, and industry partners who expended a great deal of time and effort to develop these amendments for the IECC. CDB truly appreciates your professional expertise and recommendations. Many of the amendments that you recommended that are not energy-reducing will be included in the rules.

Below is a list of amendments that will be removed, and the text revised back to the original 2021 International Energy Conservation Code. Please note that underlined text identifies language that will be removed.

Commercial Provisions

C202 General Definitions

Roof Membrane Peel and Replacement. Where an existing weather resisting roof membrane alone is removed, exposing insulation or sheathing and only a new weather resisting roof membrane is installed.

Roof Replacement. The process of removing the all existing layers of the roof covering system down to the roof deck, repairing any damaged substrate and installing a new roof ~~covering~~ system.

C503.1 General

Exceptions

6. Roof Membrane Peel and Replacement

C503.2.1 Roof Replacement

Exceptions: In accordance with the following, provided that the energy use of the building is not increased:

1. Where the existing roof insulation is integral to or is located below the roof deck.
2. Where the new *roof assembly* above deck *R-Value* or *roof assembly U-factor*, is installed in accordance with the following:

- a. In compliance with the provisions of either C402.1.3, C402.1.4, C402.1.5 or C407; and,
- b. In maximum practicable compliance with Table C402.1.3 or Table C402.1.4 or C402.1.5, including any partial compliance in areas subject to limiting conditions identified in a survey of existing conditions conducted prior to the *alteration* and provided to the *code official*.

Residential Provisions

R202 General Definitions

Roof Membrane Peel and Replacement. Where an existing weather resisting roof membrane alone is removed, exposing insulation or sheathing and only a new weather resisting roof membrane is installed.

Roof Replacement. The process of removing ~~the~~ all existing layers of the roof covering system down to the roof deck, repairing any damaged substrate and installing a new roof ~~covering~~ system.

Table R402.1.2 Maximum Assembly U-Factors and Fenestration Requirements will retain all 2021 International Energy Conservation Code values.

Table R402.1.3 Insulation Minimum R-Values and Fenestration Requirements by Component will retain all 2021 International Energy Conservation Code values.

R402.2.2 Roof/Ceilings without attic spaces

Exception:

For roofs on existing buildings with slope less than 2 units vertical in 12 units horizontal (2:12), refer to Section R503.1.1.

R402.4.1.2 Testing

Exceptions:

1. For additions, alterations, renovations or repairs to existing buildings, building envelope tightness and insulation installation shall be considered acceptable when the items in Table R402.4.1.1, applicable to the method of construction, are field verified. Where required by the code official, an approved third party independent from the installer, shall inspect both air barrier and insulation installation criteria.

R402.4.4 Rooms containing fuel burning appliances. Will be included using the 2021 IECC wording.

R503.1.1 Building envelope

Exceptions:

5. Roof Membrane Peel and Replacement

6. Roof replacement:

a. Where the existing roof insulation is integral to or is located below the roof deck.

b. Where the new roof assembly above deck R-Value or roof assembly U-factor, is installed in accordance with the following:

i. In compliance with the provisions of either C402.1.3, C402.1.4, C402.1.5 or C407; and,

ii. In maximum practicable compliance with Table C402.1.3 or Table C402.1.4 or C402.1.5, including any partial compliance in areas subject to limiting conditions identified in a survey of existing conditions conducted prior to the alteration and provided to the code official; and,

iii. In no case shall the R-value of the roof insulation be reduced, or the U-factor of the roof assembly be increased as part of the roof replacement.

7. R-value for roof assemblies with tapered insulation above deck with slope greater than 1/8 units vertical in 12 units horizontal (1/8:12) shall average R-20.

8. Air barriers shall not be required for roof recover and roof replacement where the alterations or renovations to the building do not include alterations, renovations or repairs to the remainder of the building envelope.

Section R504.2 Application

3. Insulation with new roof covering for roof slopes less than 2 units vertical in 12 units horizontal (2:12) inches only in areas where the tapered insulation is used above an existing roof covering to create slope between drains or upslope from obstructions to water flow.

Changes were made to align the code with Governor Pritzker's climate change initiatives and statewide energy conservation goals. Comments regarding the rules can be made during the first notice period when the rules are filed with JCAR. For additional questions or concerns, please contact Lisa Hennigh at Lisa.Hennigh@illinois.gov.

Thank you,